

## Tseng, Antony

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**From:** Guha, Biswarup <Biswarup.Guha@dep.state.nj.us>  
**Sent:** Wednesday, March 12, 2014 12:40 PM  
**To:** Tseng, Antony  
**Subject:** RE: SWEM Model training/deliverables

I will call you. I think email is causing some confusion.

Best Regards,  
-Roop.

609-292-1592

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**From:** Tseng, Antony [mailto:Tseng.Antony@epa.gov]  
**Sent:** Wednesday, March 12, 2014 12:10 PM  
**To:** Hirst, Barbara  
**Cc:** O'Connor, Rosella T.; Locicero, Felix; Nyman, Robert; Guha, Biswarup  
**Subject:** RE: SWEM Model training/deliverables

Barbara,

EPA is not using NJDEP's allotment of hours for model support. Thank you for your comment.

Also just to clarify, different computing environments offer different nuances that may affect model setup which doesn't mean the models themselves do not work. In EPA's example, the shell scripts tell the computer which models to run, using which inputs, where to place outputs, and to do it again for the next time range. Without shell scripts, the user would have to type in such command lines manually and quite frankly that would be inefficient. Shell scripts were already provided as part of the deliverables but our shell script command lines need to be adjusted for our computing environment.

- Antony

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**From:** Hirst, Barbara [mailto:Barbara.Hirst@dep.state.nj.us]  
**Sent:** Wednesday, March 12, 2014 10:07 AM  
**To:** Tseng, Antony  
**Cc:** O'Connor, Rosella T.; Locicero, Felix; Nyman, Robert; Guha, Biswarup  
**Subject:** RE: SWEM Model training/deliverables

That is correct, we were trying to use the training hours in an efficient manner. What I object to is the use of any of the hours from the meager allotment for training for the purpose of setting up working models. The deliverable is not met unless it works, in my opinion.

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**From:** Tseng, Antony [mailto:Tseng.Antony@epa.gov]  
**Sent:** Wednesday, March 12, 2014 10:00 AM  
**To:** Hirst, Barbara  
**Cc:** O'Connor, Rosella T.; Locicero, Felix; Nyman, Robert; Guha, Biswarup  
**Subject:** RE: SWEM Model training/deliverables

Barbara,

NJDEP can use their allotment of hours in the manner of model support they need. I thought Roop was referring to consolidating our hours to get more out of the support available.

EPA is not in a position to offer hours to consolidate yet because we are still trying to get the models to work on our end - and I can easily use the label of training since this would be a learning experience for me. Similarly, Roop already used some hours in his consultation to HDR Hydroqual to setup the working model for NJDEP using the virtual box concept for an operating system.

I expect to circle back on this topic as soon as we are there. Thank you for your patience.

- Antony

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**From:** Hirst, Barbara [<mailto:Barbara.Hirst@dep.state.nj.us>]  
**Sent:** Wednesday, March 12, 2014 9:48 AM  
**To:** Tseng, Antony; Nyman, Robert; Guha, Biswarup  
**Cc:** O'Connor, Rosella T.  
**Subject:** RE: SWEM Model training/deliverables

I would think we should not be using our training hours as part of getting a working model. Delivery of a working model was the starting point and the training hours was in how to use a working model.

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**From:** Tseng, Antony [<mailto:Tseng.Antony@epa.gov>]  
**Sent:** Wednesday, March 12, 2014 9:45 AM  
**To:** Nyman, Robert; Guha, Biswarup  
**Cc:** Hirst, Barbara; O'Connor, Rosella T.  
**Subject:** RE: SWEM Model training/deliverables

Roop,

The models are not up and running yet on our end. The shell scripts seem to be bombing out at the error trap – at least that is the current working theory. Until our model is up and running, I won't know what hours we have available to consolidate since we would be using hours to get the model running.

I'll let you know when we get there.

Thanks,  
- Antony

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**From:** Nyman, Robert  
**Sent:** Tuesday, March 11, 2014 3:35 PM  
**To:** Guha, Biswarup  
**Cc:** Hirst, Barbara; Tseng, Antony; O'Connor, Rosella T.  
**Subject:** RE: SWEM Model training/deliverables

Hi Roop.

Antony took the training too and would likely be the one from EPA who would use the model so you can check with him. I copied him on this message. Please feel free to discuss any questions with NY prior to contacting HDR. I'm not a modeling guy so I have no experience using the model.

Bob

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**From:** Guha, Biswarup [<mailto:Biswarup.Guha@dep.state.nj.us>]  
**Sent:** Monday, March 10, 2014 5:36 PM  
**To:** Nyman, Robert  
**Cc:** Hirst, Barbara  
**Subject:** SWEM Model training/deliverables

Hi Bob,

During the SWEM training that was held last month, Robin from HDR said that we could coordinate directly with her for future asks. I wanted to talk to you before talking to Robin/NY as I was anticipating more information regarding input generation and output analyses based on the agenda items.

I was also waiting for NY/EPA to try out the modeling input/codes so that we can utilize the remainder of the support hours efficiently.

If EPA/NY has any questions with running the model, I will be happy to try answering the questions as I worked with similar models while I was at HDR-HydroQual and have been able to reproduce the water quality models on NJ machines.

**Biswarup (Roop) Guha, Research Scientist I**  
Bureau of Environmental Analysis, Restoration and Standards  
Division of Water Monitoring and Standards  
401 E. State St., PO Box 420; Mail Code 401-03  
Trenton, NJ 08625  
Phone: (609) 292-1592; Fax: (609) 984-6505

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**To:** Tseng, Antony; Hirst, Barbara  
**Cc:** O'Connor, Rosella T.; Locicero, Felix; Nyman, Robert  
**Subject:** RE: SWEM Model training/deliverables

Antony,

I think we understand the use of shell scripts. The only place where you would face problems would be while running the model executable file portion in the shell script which should be working as part of the deliverable. The remainder of the shell scripts should work in any of the LINUX systems. You may have to install some more "packages" while or after installing the LINUX system.

Best Regards,  
-Roop.

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**To:** Guha, Biswarup  
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Roop,  
Thanks for the offer but I already have HDR-Hydroqual engaged. Talk to you soon.  
- Antony

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**From:** Guha, Biswarup [mailto:Biswarup.Guha@dep.state.nj.us]  
**Sent:** Wednesday, March 12, 2014 9:47 AM  
**To:** Tseng, Antony  
**Subject:** RE: SWEM Model training/deliverables

Antony,

If you send me a screen shot with the error, I can try to see if I faced similar issues and could try to help.

Best Regards,  
-Roop.

609-292-1592

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